

**10/565561**

**IAP20 Rec'd PCT/PTO 23 JAN 2006**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s) : Friedrich BOECKING  
Based on : PCT/DE2004/001200  
Docket No. : R.305745  
Customer No. : 02119

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(b),  
AND EXPLANATION OF THE RELEVANCE OF THE CITED PRIOR ART**

Sir:

The undersigned hereby requests that the prior art cited on the attached prior art statement be placed of record in the application file and be considered by the examiner.

This citation of prior art is made under 37 CFR 1.97(b), since it is being filed within three months of the filing date and before the mailing of a first Office action.

The relevance of the prior art cited on the attached form PTO/SB/08a is as follows:

**DE 101 45 622 A1**

This invention relates to a valve for regulating fluids includes a piezoelectric actuator (2), a converter (3) for converter the stroke of the piezoelectric actuator, an inwardly opening control valve (11), which is disposed in a valve chamber (12) and on a first valve seat (14), closes a connection to a low-pressure line (18). A nozzle needle (20) is disposed in the control chamber (21). The control chamber (21) is connected with a high-pressure line (19) via a first supply throttle (22) and with the valve chamber (12) by means of a throttle (23), whereby the valve chamber (12) is connected with the high-pressure line via a second supply throttle (24), in order to make possible a fast closing of the valve.

IAP20 Rec'd PCT/PTO 23 JAN 2006

**DE 100 19 765 A1**

The invention relates to a valve for controlling liquids, comprising an actuator unit (4) for activating an axially displaceable valve member (3) which has a first piston (9) and a second piston (11) that is separated from the first piston by a hydraulic chamber (13) and which activates a valve closing member (12) that separates a low-pressure area (16) with system pressure from a high-pressure area (17). For the purposes of compensating leakage, a filling device (24) which can be connected to the high-pressure area (17) is provided with a hollow space (25) in which a throttle body (26) is arranged in such a way that a line (33) leading to the high pressure area (17) opens into the hollow space (25) at one end of the throttle body (26) and at the other end, a system pressure line (28) leading to the hydraulic transmission branches off. The geometrical fixing of the throttle body (26), a gap (27) surrounding said throttle body and the dimensions of the piston (9) along which the system pressure is reduced up to the low pressure area (16) ensures that the system pressure (p sys) is built up in accordance with the pressure (p R) in the high pressure area (17).

**US 6,817,542 B2**

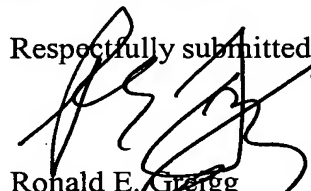
This patent is in the same family as DE 101 45 622 A1 and is provided as an aid to the examiner.

**US 6,719,264 B2**

This patent is in the same family as DE 100 19 765 A1 and is provided as an aid to the examiner.

Examination of this application is respectfully requested.

Respectfully submitted,



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Date: Jan. 23, 2006

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>Complete if Known</b> <b>20/565561</b>	
			Application Number	
			Filing Date	
			First Named Inventor	Friedrich BOECKING
			Art Unit	
			Examiner Name	
			Attorney/Blocker Number	R.305745
Sheet	1	of	1	

[illegible][illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

***If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.***